Mark N Puttick

List of Publications by Year
in descending order

34 papers	2,741 citations	331259 21 h-index	377514 34 g-index
36 all docs	36 docs citations	36 times ranked	3707 citing authors

#	Article	IF	Citations
1	Coevolution of enamel, ganoin, enameloid, and their matrix SCPP genes in osteichthyans. IScience, 2021, 24, 102023.	1.9	27
2	Empirical distributions of homoplasy in morphological data. Palaeontology, 2021, 64, 505-518.	1.0	9
3	Phylogenetic sampling affects evolutionary patterns of morphological disparity. Palaeontology, 2021, 64, 765-787.	1.0	6
4	MOTMOT: Models of trait macroevolution on trees (an update). Methods in Ecology and Evolution, 2020, 11, 464-471.	2.2	14
5	Arachnid monophyly: Morphological, palaeontological and molecular support for a single terrestrialization within Chelicerata. Arthropod Structure and Development, 2020, 59, 100997.	0.8	35
6	The complex effects of mass extinctions on morphological disparity. Evolution; International Journal of Organic Evolution, 2020, 74, 2207-2220.	1.1	19
7	Shifting spaces: Which disparity or dissimilarity measurement best summarize occupancy in multidimensional spaces?. Ecology and Evolution, 2020, 10, 7261-7275.	0.8	54
8	A Cambrianâ€“Ordovician Terrestrialization of Arachnids. Frontiers in Genetics, 2020, 11, 182.	1.1	43
9	Disparities in the analysis of morphological disparity. Biology Letters, 2020, 16, 20200199.	1.0	60
10	Probabilistic methods outperform parsimony in the phylogenetic analysis of data simulated without a probabilistic model. Palaeontology, 2019, 62, 1-17.	1.0	44
11	MCMCtreeR: functions to prepare MCMCtree analyses and visualize posterior ages on trees. Bioinformatics, 2019, 35, 5321-5322.	1.8	128
12	Characterization of melanosomes involved in the production of non-iridescent structural feather colours and their detection in the fossil record. Journal of the Royal Society Interface, 2019, 16, 20180921.	1.5	17
13	Origin of horsetails and the role of whole-genome duplication in plant macroevolution. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191662.	1.2	17
14	Archosauromorph extinction selectivity during the Triassicâ€“Jurassic mass extinction. Palaeontology, 2019, 62, 211-224.	1.0	20
15	The timescale of early land plant evolution. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2274-E2283.	3.3	654
16	Empirical realism of simulated data is more important than the model used to generate it: a reply to Goloboff etÂal. Palaeontology, 2018, 61, 631-635.	1.0	29
17	The Interrelationships of Land Plants and the Nature of the Ancestral Embryophyte. Current Biology, 2018, 28, 733-745.e2.	1.8	398
18	Mixed evidence for early bursts of morphological evolution in extant clades. Journal of Evolutionary Biology, 2018, 31, 502-515.	0.8	28

#	Article	IF	Citations
19	Probabilistic methods surpass parsimony when assessing clade support in phylogenetic analyses of discrete morphological data. Palaeontology, 2018, 61, 105-118.	1.0	61
20	Evolution of jaw disparity in fishes. Palaeontology, 2018, 61, 847-854.	1.0	21
21	Reply to Hedges et al.: Accurate timetrees do indeed require accurate calibrations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9512-E9513.	3.3	15
22	Evolution of metazoan morphological disparity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8909-E8918.	3.3	78
23	Well-Annotated microRNAomes Do Not Evidence Pervasive miRNA Loss. Genome Biology and Evolution, 2018, 10, 1457-1470.	1.1	41
24	Integrated genomic and fossil evidence illuminates lifeâ€™s early evolution and eukaryote origin. Nature Ecology and Evolution, 2018, 2, 1556-1562.	3.4	274
25	Uncertain-tree: discriminating among competing approaches to the phylogenetic analysis of phenotype data. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162290.	1.2	114
26	Parsimony and maximum-likelihood phylogenetic analyses of morphology do not generally integrate uncertainty in inferring evolutionary history: a response to Brown et al.. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171636.	1.2	19
27	Body length of bony fishes was not a selective factor during the biggest mass extinction of all time. Palaeontology, 2017, 60, 727-741.	1.0	13
28	Bayesian methods outperform parsimony but at the expense of precision in the estimation of phylogeny from discrete morphological data. Biology Letters, 2016, 12, 20160081.	1.0	160
29	Dating placentalia: Morphological clocks fail to close the molecular fossil gap. Evolution; International Journal of Organic Evolution, 2016, 70, 873-886.	1.1	26
30	Partially incorrect fossil data augment analyses of discrete trait evolution in living species. Biology Letters, 2016, 12, 20160392.	1.0	30
31	A molecular palaeobiological exploration of arthropod terrestrialization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150133.	1.8	131
32	Fossils and living taxa agree on patterns of body mass evolution: a case study with Afrotheria. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152023.	1.2	27
33	Size is not everything: rates of genome size evolution, not C -value, correlate with speciation in angiosperms. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152289.	1.2	65
34	HIGH RATES OF EVOLUTION PRECEDED THE ORIGIN OF BIRDS. Evolution; International Journal of Organic Evolution, 2014, 68, 1497-1510.	1.1	63